



1998 Drinking Water Quality Report

RRA - ARROWHEAD LAKE LOTS WATER SYSTEM

Red River Authority of Texas

900 8th Street, Suite 520

Wichita Falls, Texas 76301

940/723-8697

OUR DRINKING WATER IS SAFE

The Texas Natural Resource Conservation Commission (TNRCC) has assessed our system and determined that our water is safe to drink. The analysis was made by using the data in the attached tables. If your water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices.

Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800/426-4791).

En Espanol

Este report incluye la informacion importante sobre su agua beber. A obtener una copia de esta informacion o traducir en Espanol, llamar

Where do we get our drinking water?

The RRA-Arrowhead Lake Lots Water System utilizes Surface water from Lake Arrowhead located in Clay County, Texas as its sole source supply. Raw lake water is treated at the Authority's treatment facilities located at the lake and the treated water is distributed throughout the system. The TNRCC will be reviewing all of Texas' drinking water sources. The source water assessment process will be completed in three years.

ALL Drinking Water May Contain Contaminants

Drinking water, **including bottled water**, may reasonably be expected to contain at least

small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800/426-4791).

Public Participation Opportunities

The Authority's Board of Directors regularly meets on the third Wednesday of January, April, July and September of each year. Specific times and locations of these and/or any special meetings can be obtained by contacting the Authority at 940/723-8697.

For more information about the water quality of your water system, public participation programs, water conservation programs and/or general operations policies, call 940/723-8697 or e-mail the Authority at: info@rra.dst.tx.us. For service request or reporting leaks after normal business hours, contact your District Manager, Mr. Henry Wied at 940/723-4434 or Mr. Randall Garner at 940/322-2591. You may also leave a message on the recorder at the Treatment Plant at 940/528-2252.

System Information

The Red River Authority of Texas owns and operates 29 registered public water supply systems through its Utility Division. The Utility Division maintains over 2,150 miles of transmission lines, two surface water treatment plants, 65 pumping facilities and serves approximately 10,000 customers residing in a 15 county area of the Red River Basin. The Utility Division is subdivided into geographical districts for proper management, maintenance and financial accounting of individual systems.

The RRA-Arrowhead Lake Lots Water System is one of the water systems operated

by the Utility Division's District 19. In 1998, the system served 625 active connections with an average water use of 179 gallons per day per connection. The primary use of the water was seasonal and rural domestic. In 1998, the Authority continued construction on a capital improvement project to bring the system into compliance with the TNRCC's Rules and Regulations for Public Water Supply Systems. The improvements included construction of a new 1 MGD treatment plant and 3 elevated storage tanks.

The Authority is currently upgrading the Utility Division's Water Conservation and Drought Contingency Plan. Information on the plan and its possible effects on the RRA-Arrowhead Lake Lots Water System will be provided after it is finalized.

Definitions:

Maximum Contaminant Level (MCL) -

The highest level of a contaminant in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

NTU - Nephelometric Turbidity Units

MFL - million fibers per liter

pci/l - picocuries per liter (a measure of radioactivity)

ppm - parts per million, or milligrams per liter (mg/l)

ppb - parts per billion, or micrograms per liter (ug/l)

ppt - parts per trillion, or nanograms per liter

About the Attached Table

U.S. EPA requires water systems to test up to 97 constituents. Six constituents were detected in your water. The attached table contains all of the chemical constituents which have been found in your drinking water.

Inorganics

Year	Constituent	Highest Level at Any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Source of Constituent
1997	Arsenic	3.6	3.6000-3.6000	50	0	ppb	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
1997	Barium	0.06	0.0600-0.0600	2	2	ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
1997	Fluoride	0.4	0.4000-0.4000	4	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
1997	Nitrate	0.07	0.0700-0.0700	10	10	ppm	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
1997	Selenium	5.7	5.7000-5.7000	50	50	ppb	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
1998	Gross beta emitters	13.2	13.2000-13.2000	50	0	pci/l	Decay of natural and manmade deposits.

Turbidity

Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

Year	Constituent	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Unit of Measure	Source of Constituent
1998	Turbidity	0.30	100	0.5	NTU	Soil Runoff

Lead and Copper

Year	Constituent	The 90 th Percentile	Number of Sites Exceeding Action Level	Action Level	Unit of Measure	Source of Constituent
1998	Copper	0.0120	0	1.3	ppm	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
1998	Lead	1.3000	0	15	ppb	Corrosion of household plumbing systems; Erosion of natural deposits.

